

ABSTRACT**ELECTRONIC EQUIPMENT FOR SAFETY AND CONTROL OF WORKERS**

5 Electronic equipment for safety and control of workers who work in
risky conditions, which consists of data and voice repeaters that forma "guide
line" that also act as an audible and visible reference in low visibility
conditions, the repeaters communicating with the personalised devices
10 attached to the arm of each fire fighter to indicate their state by means of a
motion sensor. The personalised fire fighter devices also transmit to the
repeaters the signals received from the pressure gauges for each fire fighter
using the ABU's (autonomous breathing units). The signals sent by the
repeaters are transmitted to the central system, which forwards them to a
15 computer where all the information is displayed. The central system also
emits signals to the fire fighters, either directly or through the repeaters. The
personalised device turns on automatically when it detects motion.